

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003420

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C02F1/28	A23J1/20	A23J1/00	A23J3/34	A23K1/08
	A23K1/10	A23K1/175			

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C02F A23J A23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 19 22 259 A (EGGER KURT) 30 July 1970 (1970-07-30) page 4, paragraph 3 - page 5, paragraph 2 page 10, paragraph 3 - page 12, paragraph 2 claims; example ----- US 2 254 241 A (PITTMAN ERNEST E ET AL) 2 September 1941 (1941-09-02) page 1, left-hand column, line 1 - line 7 page 1, right-hand column, line 15 - line 25 page 2, left-hand column, line 1 - line 14 page 2, right-hand column, line 8 - line 25; claims ----- -/-	1-18
X		1-9, 12-18

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

14 December 2004

22/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Smeets, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003420

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 16 68 866 A (OLSEN DR BJOERN) 9 July 1970 (1970-07-09) page 9, paragraph 3; claims -----	1-6, 9-15,18
X	US 3 078 164 A (DE LISLE AUGUSTE LOUIS) 19 February 1963 (1963-02-19) column 1, line 38 - line 47 column 2, line 35 - line 52 column 4, line 4 - line 16 claims; figure -----	1-9, 12-18
X	US 2003/015476 A1 (MOFFETT ROBERT H) 23 January 2003 (2003-01-23) page 1, paragraphs 4,15 page 2, paragraph 27 - paragraph 29 page 3, paragraph 34 claims; examples -----	1-9, 12-18
A	EP 0 331 824 A (CONTROL FEEDS INC) 13 September 1989 (1989-09-13) page 3, line 50 - line 55; claim 1 -----	1-6,9, 12-18
A	US 3 278 309 A (ROBERT HEAP ET AL) 11 October 1966 (1966-10-11) claims 1,3 -----	1-6,9, 13-18
A	US 2 739 063 A (WEHRMEISTER HERBERT L) 20 March 1956 (1956-03-20) column 1, line 72 - column 2, line 15 column 3, line 1 - line 20; example 1 -----	1-5,9, 12-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No	
PCT/IB2004/003420	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
DE 1922259	A 30-07-1970	CH DE	507313 A 1922259 A1	15-05-1971 30-07-1970
US 2254241	A 02-09-1941	NONE		
DE 1668866	A 09-07-1970	DE	1668866 A1	09-07-1970
US 3078164	A 19-02-1963	NONE		
US 2003015476	A1 23-01-2003	NONE		
EP 0331824	A 13-09-1989	EP DE DE ES US	0331824 A1 3873515 D1 3873515 T2 2034193 T3 4729902 A	13-09-1989 10-09-1992 29-04-1993 01-04-1993 08-03-1988
US 3278309	A 11-10-1966	GB	946841 A	15-01-1964
US 2739063	A 20-03-1956	NONE		